

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/807,485	BORISENKO ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Eric Thomas	2831	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 10/17/05.
2. ☒ The allowed claim(s) is/are 18-32.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

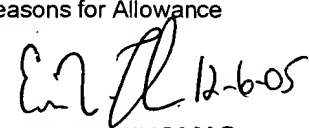
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance             |
|   | 9. <input type="checkbox"/> Other _____  |

  
**ERIC W. THOMAS**  
**PRIMARY EXAMINER**

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with liya Zborovsky on 11/30/05.

The application has been amended as follows:

Rewrite claim 18:

Claim 18 (Amended). A high capacitance energy storage device, comprising:  
a housing electrically isolated from, and lined ~~lied~~ with, current collectors, said current collectors being electrically connected to contacts mounted on said housing;  
at least one capacitive cell having a first electrode separated from a second electrode by a non-conductive, chemically inert membrane, said electrodes formed of a regularly structured carbonized ~~carbonised~~ and activated woven fabric impregnated with an electrolyte, said membrane permitting free passage of molecules of said electrolyte therethrough; and conductive, chemically inert separators, provided between and being in electrical and mechanical contact with said electrodes and said current collectors of the housing, said separators chemically isolating said cell from said housing, and said separators being formed from a graphite-based material, wherein each of said electrodes is formed of ~~or~~ a plurality of compressed layers of said regularly structured carbonized and activated woven fabric ~~which layers are compressed with one another.~~

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Claim 23, line 2 change "sulphuric" to –sulfuric--.

Claim 24, line 2 change "carbonised" to –carbonized--.

Rewrite claim 25:

Claim 25 (Amended). A device according to claim 18, wherein a single one of said separators separates the at least one capacitive cell with another cell.

Rewrite claim 28:

Claim 28 (Amended). A capacitive cell for a high energy storage device comprising:

a first electrode separated from a second electrode by a non-conductive, chemically inert membrane, said electrodes formed of a regularly structured carbonized ~~carbonised~~ and activated woven fabric impregnated with an electrolyte, said membrane permitting free passage of molecules of said electrolyte therethrough; and conductive, chemically inert separators, provided at outer surfaces of the cell and being in electrical and mechanical contact with said electrodes, said separators chemically isolating said cell, and said separators being formed from a graphite-based material, wherein each of said electrodes is formed of ~~or~~ a plurality of compressed layers of said regularly structured carbonized and activated woven fabric ~~which layers are compressed with one another.~~

Claim 29, line 2, change "sulphuric" to –sulfuric--.

Claim 31, line 2 change "carbonised" to –carbonized--.

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2. The following is an examiner's statement of reasons for allowance: The prior art does not teach or fairly suggest taken in combination with the other claimed features (taken in combination with the other claimed features) a high capacitance energy storage device comprising a plurality of compressed layers of said regularly structured carbonized and activated woven fabric (claims 18-27); and a capacitive cell comprising a plurality of compressed layers of said regularly structured carbonized and activated woven fabric (claims 28-32)

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric Thomas whose telephone number is 571-272-1985. The examiner can normally be reached on Monday - Friday 6:30 AM - 3:45 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 571-272-1984. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ewt

 12-6-05

**ERIC W. THOMAS**  
**PRIMARY EXAMINER**